

Recombinant Full Length Eburicol 14-Alpha-Demethylase(Cyp51) Protein, His-Tagged

Cat. No. RFL371PF **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Eburicol 14-alpha-demethylase(CYP51) Protein (Q12664) (1-515aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Penicillium italicum (Blue mold) |
| Source | E.coli |
| ProteinLength | Full Length (1-515) |
| Form | Lyophilized powder |
| AA Sequence | MDLVPLVTGQILGIAYYTTGLFLVSIVLNVIKQLIFYNRKEPPVVFHWIPFIGSTIAYGM DPYQFFFASRAKYGDIFTFILLGKKTTVYLGVEGNEFILNGKLDVNAEEVYGKLTP VF GSDVVYDCPNSKLMEQKKFIKYGLSQALESYVPLIADETNAYIKSSPNFKGQSG TIDLA AAMAEITIFTAARTLQGEEVRSKLTSEFADLFHDLDLGFSPINFMLPWAPLPH NASAIKH TTYARDLSGNYP SATGSWRRRQRRRQDKSKGTD MISNLMRCVYRDGTP IPDKEIAHMMIT LLMAGQHSSSAISWILLRLASQPEMAEKLHAEQIKNLGADLPPLQ YKDMDKLPLL RNVI KETLRLHSSIHTLMRKVKNPMPVPGTDFVPPSHTLLSSPGVT ARDERHFRDPLRWDPHR WESRVEVEDSSD TVDYG YGAVSKGTRSPYLPFGAGRH RCIGEFAYLNLEVIVATLVREF RFFNPEGMEGVPD TDYSSLFSRPVQPATVRWEV RS |
| Purity | Greater than 90% as determined by SDS-PAGE. |

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| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Storage | Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles. |
| Storage Buffer | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| GENE INFORMATION | |
| Gene Name | CYP51 |
| Synonyms | CYP51; Eburicol 14-alpha-demethylase; CYPL1; Cytochrome P450 51; Cytochrome P450-14DM; Cytochrome P450-LIA1; Sterol 14-alpha demethylase |
| UniProt ID | Q12664 |

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